

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005202**Date Inspected:** 13-Jan-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Fu You Saen**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector was present during the times noted above for observations relative to the work being performed.

Segment Repair Yard (North of the Paint Shop)

Segment 5AE

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the super assembly diaphragm web splices. The Weld Designations are as follows: SEG022\*-009, SEG022\*-010, SEG022\*-029, SEG022\*-011, SEG022\*-012, SEG022\*-030, SEG022\*-013, SEG022\*-014, SEG022\*-015, SEG022\*-016, SEG022\*-017, SEG022\*-018, SEG022\*-032, SEG022\*-019, SEG022\*-020, SEG022\*-021, SEG022\*-022, SEG022\*-033, SEG022\*-023, SEG022\*-024, SEG022\*-034, SEG022\*-025 and SEG022\*-026.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the super assembly floor beam to corner assembly web splices. The Weld Designations are as follows: SSD19-PP29-002, SSD19-PP29-007, SSD19A-PP29-002, SSD19A-PP29-007, SSD19-PP30-002, SSD19-PP30-003, SSD19-PP30-009, SSD19A-PP30-003, SSD19A-PP30-002, SSD19A-PP30-007, SSD20-PP31-002, SSD20-PP31-003, SSD20-PP31-009, SSD20A-PP31-002, SSD20A-PP31-003 and SSD20A-PP31-007.

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## WELDING INSPECTION REPORT

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This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the longitudinal diaphragm attachments to the floor beam web plating. The Weld Designations are as follows: SEG022C-006, SEG022C-005, SEG022C-002, SEG022C-025, SEG022C-026, SEG022C-011, SEG022B-006, SEG022B-005, SEG022B-026 and SEG022B-025.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the floor beam flange splice welds. The Weld Designations are as follows: SSD19-PP29-132, SSD19-PP29-138, SSD19A-PP30-128 and SSD19-PP29-134.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the lifting lugs attached to the floor beam at panel point 31. The Weld Designations are as follows: SSD20-140 and SSD20-170.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The member is identified as the edge plate to deck plate corner joint. Defects were found by this QA inspector in way of the repair areas in total of one (1) location. See incident report for this date. The Weld Designations are as follows: CA018-004

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (+86) 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Patterson,Rodney	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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